

Page 30, line 3, after "NTA" insert --(SEQ ID NO:41)--.

Page 34, line 4, after "TAT" insert --(SEQ ID NO:42)--.

Page 34, line 11, after "GCC" insert --(SEQ ID NO:43)--.

Page 34, line 23, after "with" and before "ATCC" insert --American Type Culture Collection, 12301 Parklawn Drive, Rockville, Maryland, U.S.A.--

Page 35, line 12, after "CGA" insert --(SEQ ID NO:44)--.

Page 35, Line 27, after "hH38." and before "DNA", insert --Clone hH38 was deposited with the American Type Culture Collection (ATCC), 12301 Parklawn Drive, Rockville, Maryland, U.S.A., under the accession number 69778 on March 30, 1995.--

Page 41-53, delete the Sequence Listing and replace it with the enclosed Sequence Listing pages 41-62.

**In the Claims:**

1. (twice amended) A purified BMP-8 protein characterized by: [comprising at least one of]

(a) the following sequences:

i[a]) Arg-His-Glu-Leu-Tyr-Val-Ser-Phe-Gln-Asp-Leu-Gly-Trp-Leu-Asp-Trp-Val-Ile-Ala-Pro-Gln-Gly-Tyr (SEQ ID NO:1);

ii[b]) Leu-Ser-Ala-Thr-Ser-Val-Leu-Tyr-Tyr-Asp-Ser-Ser-Asn-Asn-Val-Ile-Leu-Arg (SEQ ID NO: 2); and

iii[c]) Ala-Cys-Cys-Ala-Pro-Thr-Lys (SEQ ID NO: 3);

- [d) Thr-Asn-Glu-Leu-Pro-Pro-Asn-Lys-Leu-Pro-Gly-Ile-Phe-Asp-Asp-Val-His-Gly-Ser-His-Gly-Arg (SEQ ID NO: 4); and
- e) amino acid #4 (Ala) to #142 (His) of SEQ ID NO:14.]
- (b) a molecular weight of 28,000 - 38,000 daltons as determined by sodium dodecyl sulfate polyacrylamide gel electrophoresis; and
- (c) a molecular weight of 14,000 - 20,000 daltons under reducing conditions as determined by sodium dodecyl sulfate polyacrylamide gel electrophoresis said protein being a disulfide linked dimer wherein each of the subunits contains the sequences set forth in part (a) and said protein having the ability to induce the formation of cartilage and/or bone.

Delete claims 2-5, 10-12 and 30.

26. (amended) A pharmaceutical formulation for bone and/or cartilage formation comprising an effective amount of a BMP-8 protein of claim 1 in a pharmaceutically acceptable vehicle.

29. (amended) A pharmaceutical composition for wound healing and tissue repair said composition comprising an effective amount of a BMP-8 protein of claim 1 in a pharmaceutically acceptable vehicle.